

3rd Harmonic Monday Meeting Minutes

Date: April 24, 2006

Time: 10:30 A.M.

Place: ICB Trailer 157 Conference Room

Attendees (P=Present):

C. Antoine		H. Carter	P	E. Harms	P	A. Rowe	P
T. Arkan	P	C. Cooper	P	T. Khabiboulline	P	N. Solyak	
P. Bauer	P	H. Edwards	P	D. Mitchell	P		
L. Bellantoni	P	M. Foley	P	D. Olis	P		
C. Boffo		C. Ginsburg	P	P. Pfund	P		

Minutes recorded by Dan.

Minutes are posted at: http://tdserver1.fnal.gov/dolis/39GHz_minutes.html

Minutes of the meeting

Chemistry/Processing

- Allan reports cavity-2 had second 40micron inside etch. Etch rate was approximately 1micron/minute. Next steps: another 40micron inside etch (opposite flow direction), field flatness measurement, light inside etch, final rinse. 1st performance test expected end of next week.
- Timer showed bead pull measurement results on cavity-2 after etch above. Iris to equator etch ratio is 2:12 (78microns removed from irises, 37microns from equators). No change in cavity length or tuning occurred since first etch so handling during processing is good.

Helium Vessels

- General discussion about helium vessel bellows assembly accommodating mechanical tolerances, offsets in cavity. Fit up with cavity-2 will reveal any issue here.
- Don will look into buying some spare bellows.
- (2) vessels in house. (6) more in TD procurement.

HOM Body

- Mike sent end tubes with HOM bodies to DESY along with test body for their review.

HOM Couplers

- Elvin reports that that we should expect (2) HOM couplers this week from Ceramtec for FNAL evaluation: QC, leak check, cold cycle, leak check, RF measurement.

Input Coupler

- Dan reports T. Beale in TD inspection is reviewing coupler drawings and QA/QC procedure.

Blade Tuner

- Don will sign off on drawings this week. He'll send a PDF drawing set to Carlo Pagini this week for his review.

Stepping Motors

- Elvin will make a list for procurement items. He says consensus it to buy Phytron motor.

Other business

- Don reports cryostat design near completion. Helen requesting a status and technical design review on Friday. Harry will setup a meeting place, aiming for 10am.
- Don reports cold mass supports, invar rod, and helium supply pipes in TD procurement.
- Don will schedule a meeting to review cryomodule assembly procedure, tooling, and sequence. He's aiming for Friday afternoon.
- Don reports Yuri Orlov has joined ILC engineering team and Chuch Grimm, designer, will start next Monday.
- Elvin reports that Claire Antoine will give a seminar 9am Tuesday, Hermitage on proper handling of Niobium.